

Abstract

A sensor for measuring a physical property of a measuring gas, in particular the oxygen concentration or the temperature in the exhaust gas of an internal combustion engine in a motor vehicle, has a housing (11), a measuring element (16) whose end section (162) protrudes from the housing (11), a connector plug (24) mounted on the end section (162), and a housing shell (29) covering the end section (162) and connector plug (24) with a radial clearance, one shell end (291) of the housing shell being attached to the housing (11) and the other shell end (292) being sealed. To prevent electromechanical breakage in the sensor in the event of extreme vibration stresses or accelerations of the vehicle, the free space (31) within the housing shell (29) is completely filled with a non-conductive granulate (33) (Figure 1).